



### Synopsis

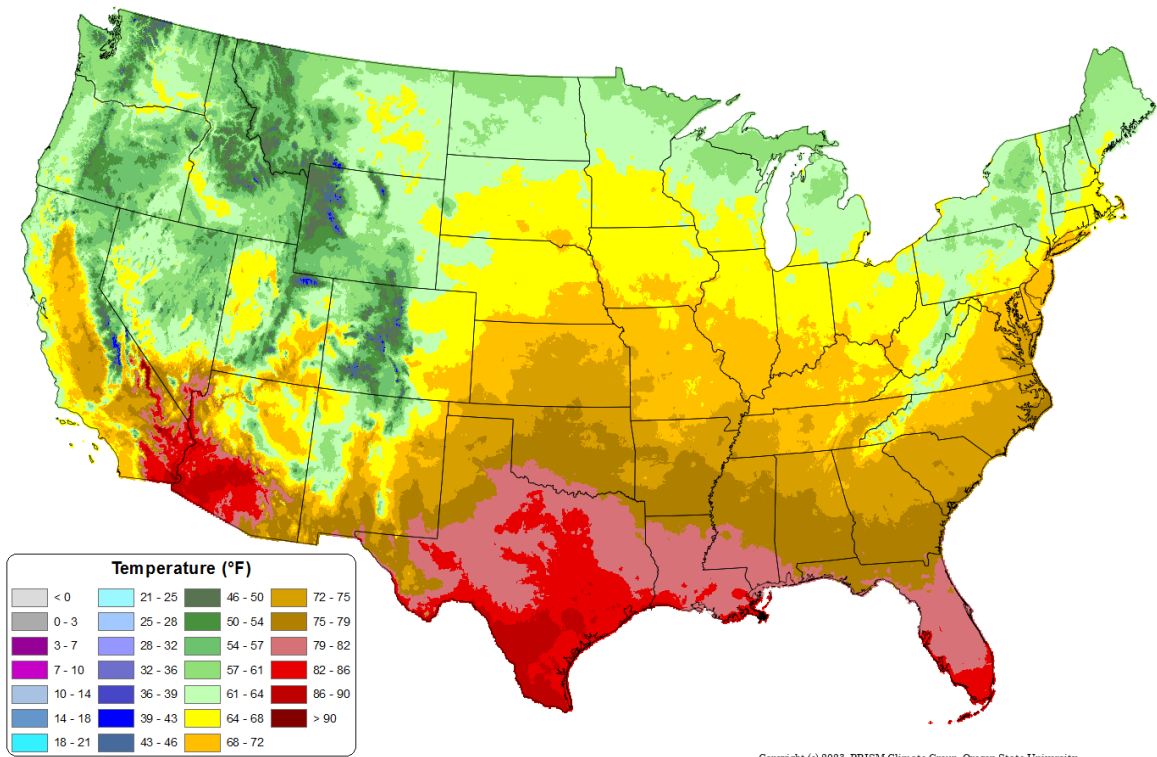
September 2023 was the hottest September on record for New Mexico. Despite a few rounds of precipitation, drought conditions continued to deteriorate at the end of an unusually hot and dry monsoon season. A strong storm around the middle of the month dropped large hail and over an inch of rain in the Albuquerque metro area which led to flash flooding. A severe event at the month brought large hail and damaging wind gusts to portions of eastern New Mexico including Roswell.

We need your photos! If you saw interesting weather during September, send your pictures to [sr-abq.webmaster@noaa.gov](mailto:sr-abq.webmaster@noaa.gov) or tag us on social media @NWSAlbuquerque on Facebook or X to be featured here in the monthly climate summary.



Temperature

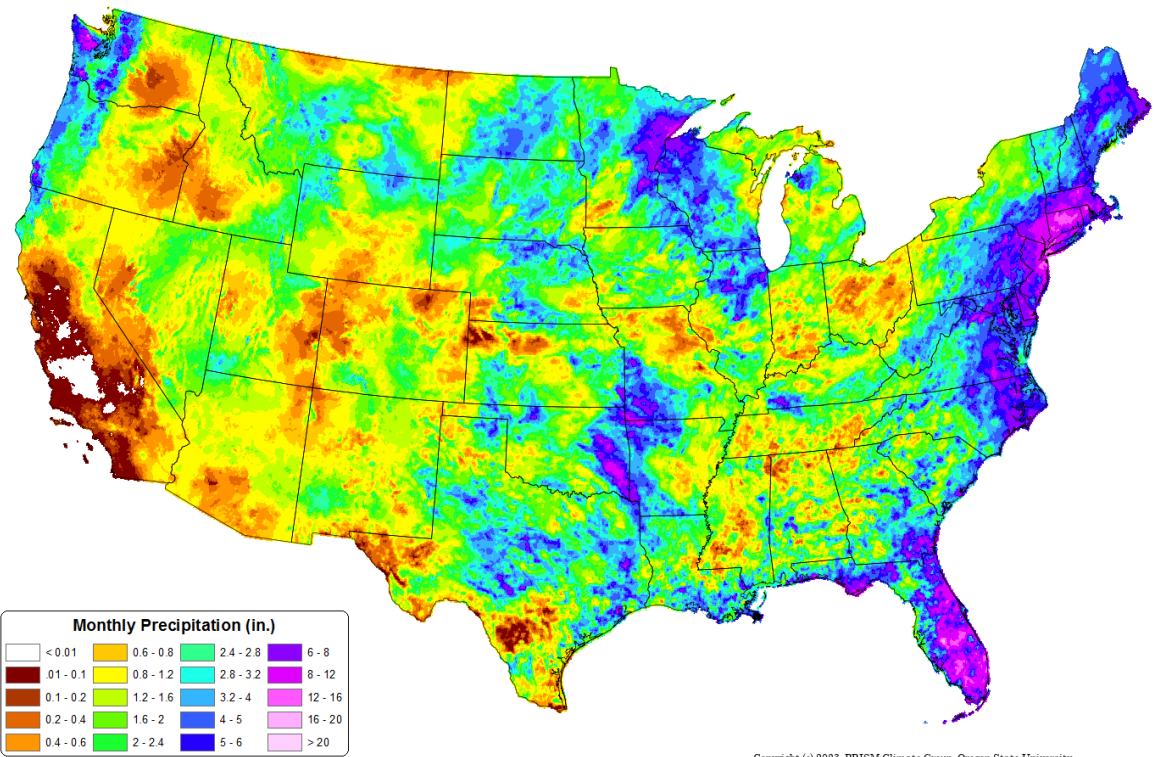
Average Daily Mean Temperature: Sep 2023  
Period ending 7 AM EST 30 Sep 2023  
(Map created 02 Oct 2023)



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Precipitation

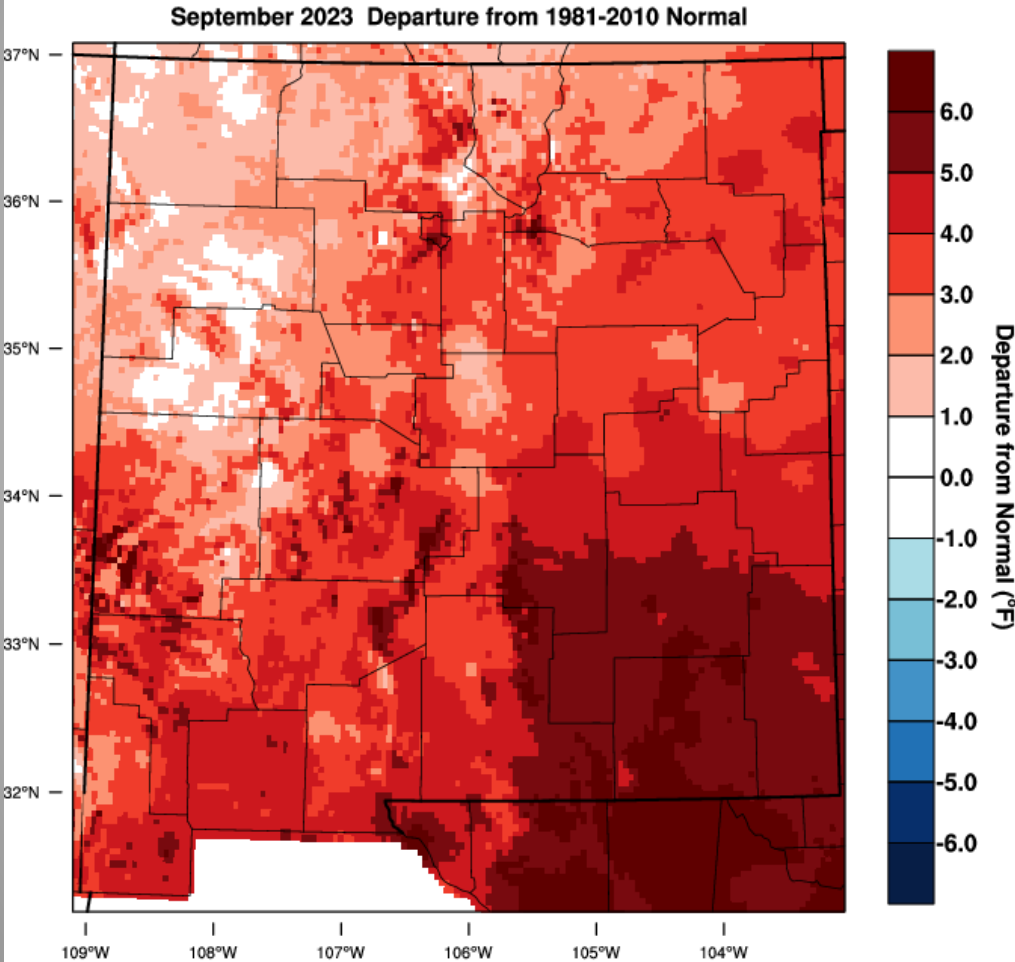
Total Precipitation: Sep 2023  
Period ending 30 Sep 2023  
(Map created 02 Oct 2023)



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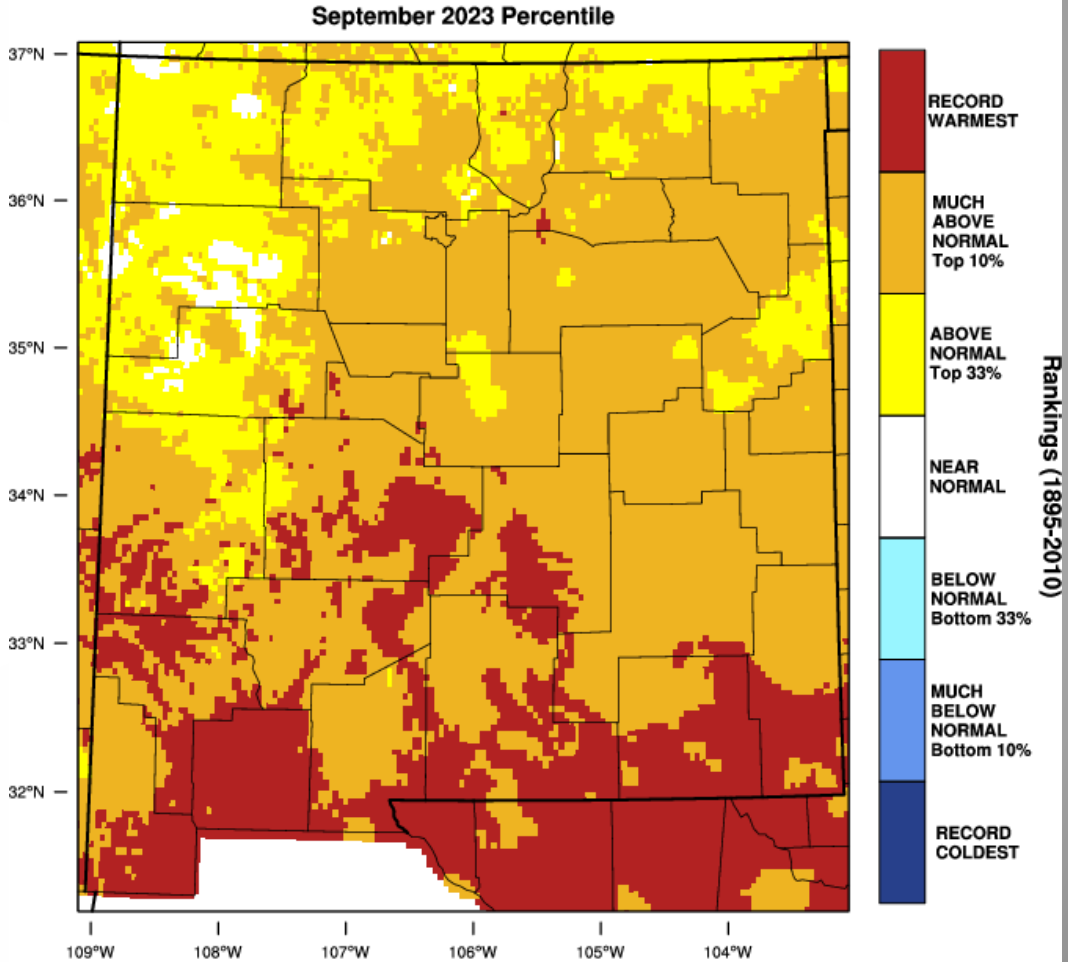


Anomaly



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 2 OCT 2023

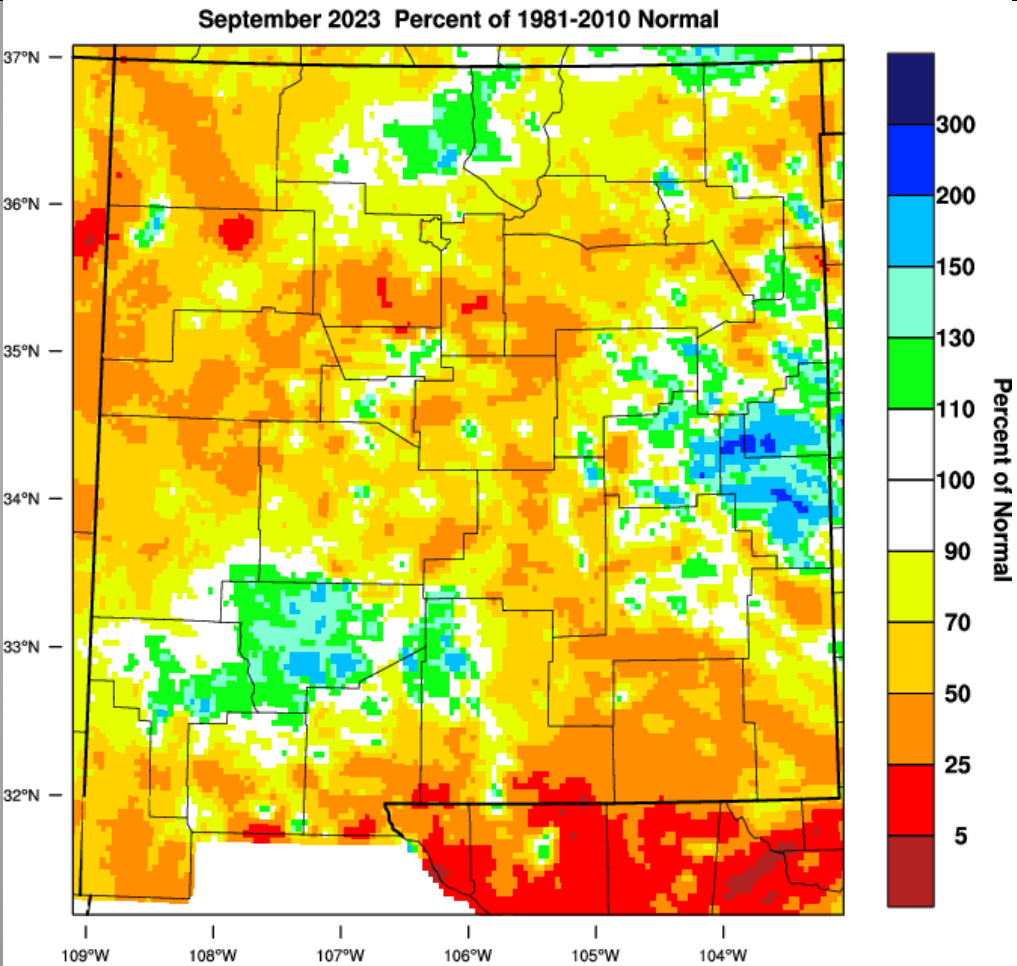
Percentile



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 2 OCT 2023

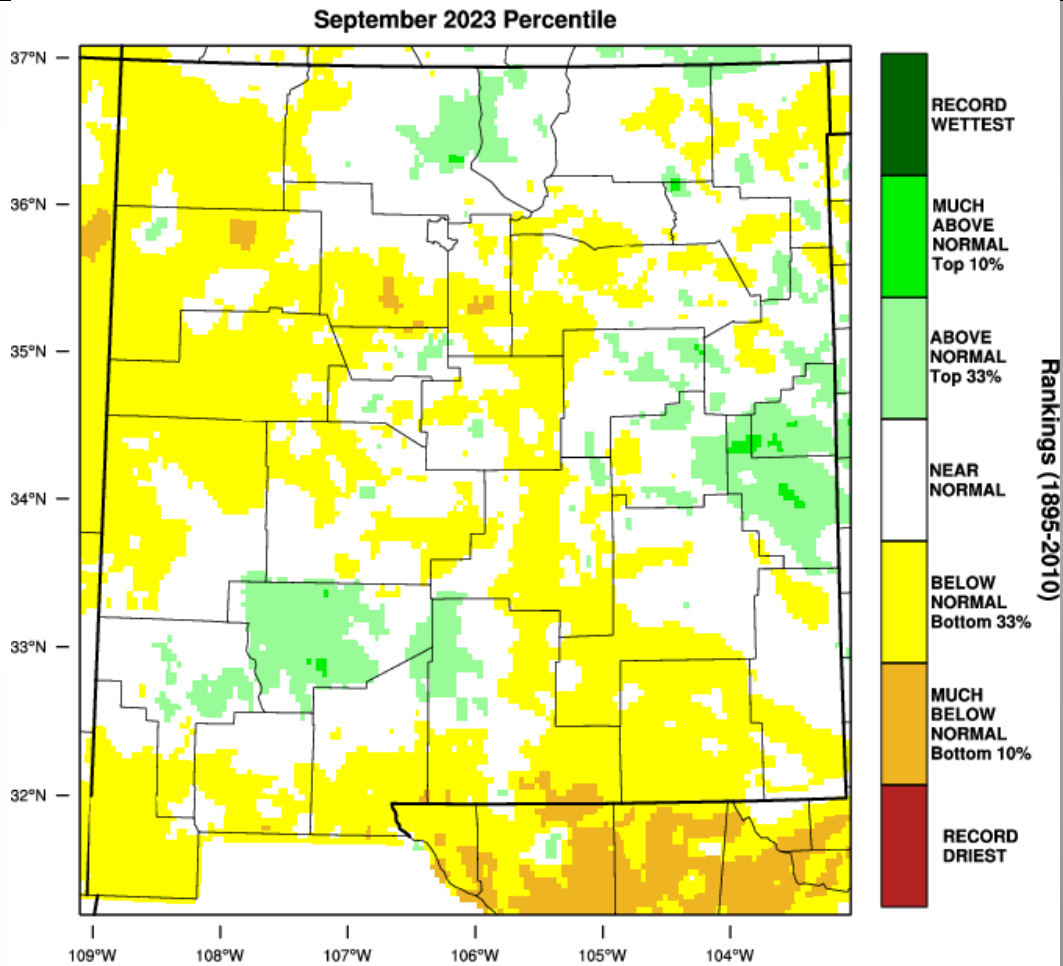


Anomaly



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 2 OCT 2023

Percentile



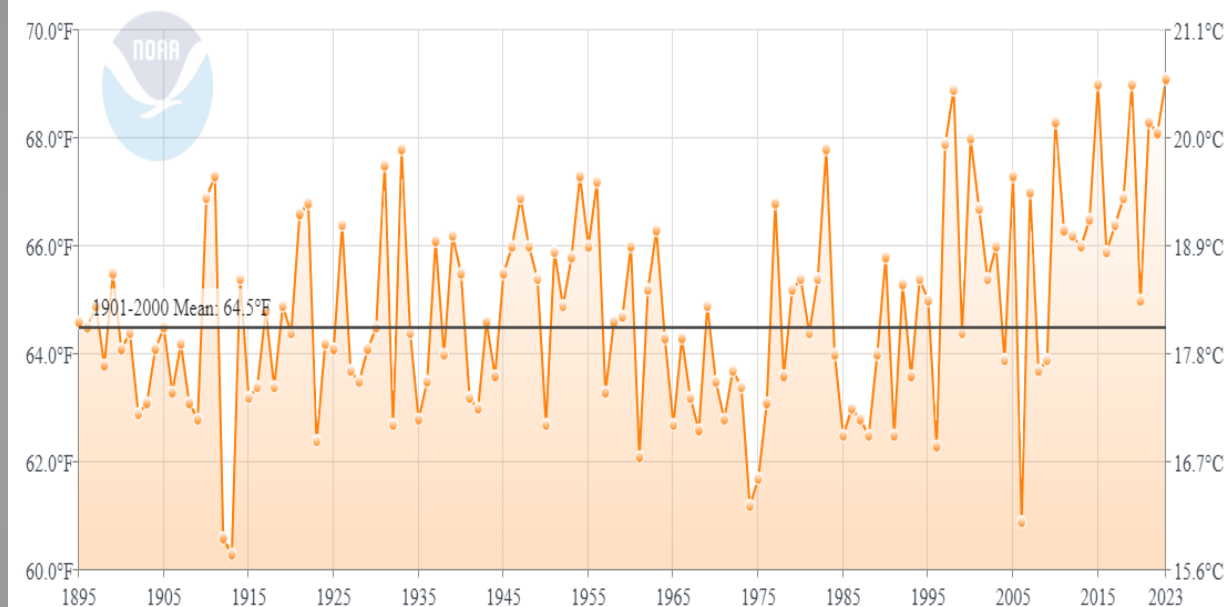
WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 2 OCT 2023



## Temperature

## New Mexico Average Temperature

September

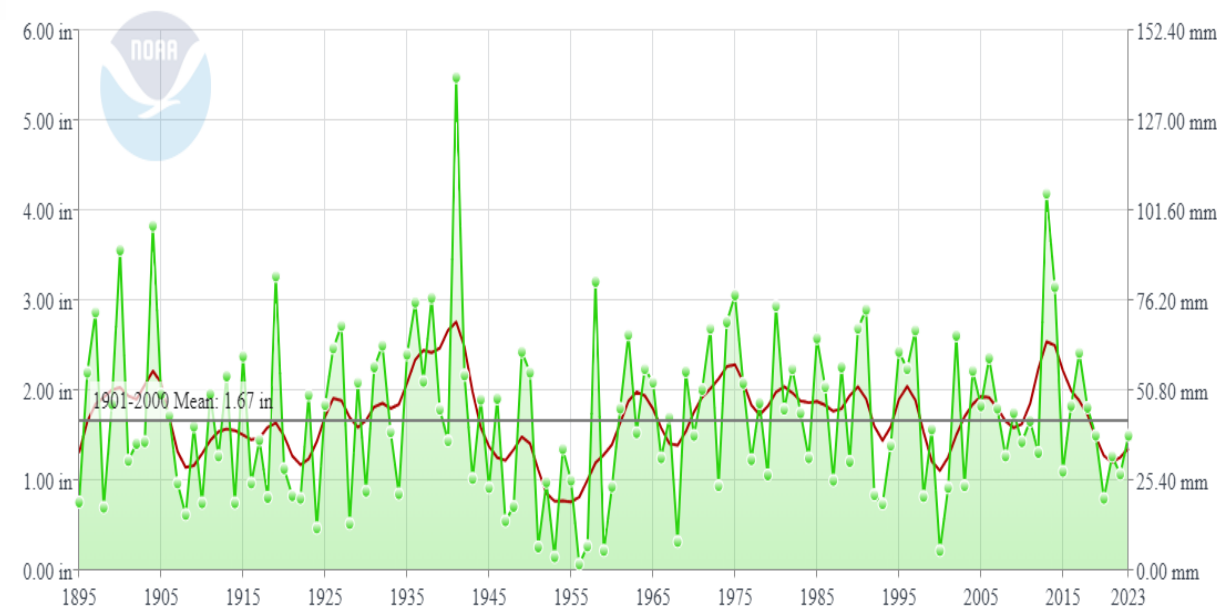


The September 2023 average statewide temperature was 69.1°, which was 4.6° above the long-term normal of 64.8° (1895-2022). **This ranked as the warmest September on record.**

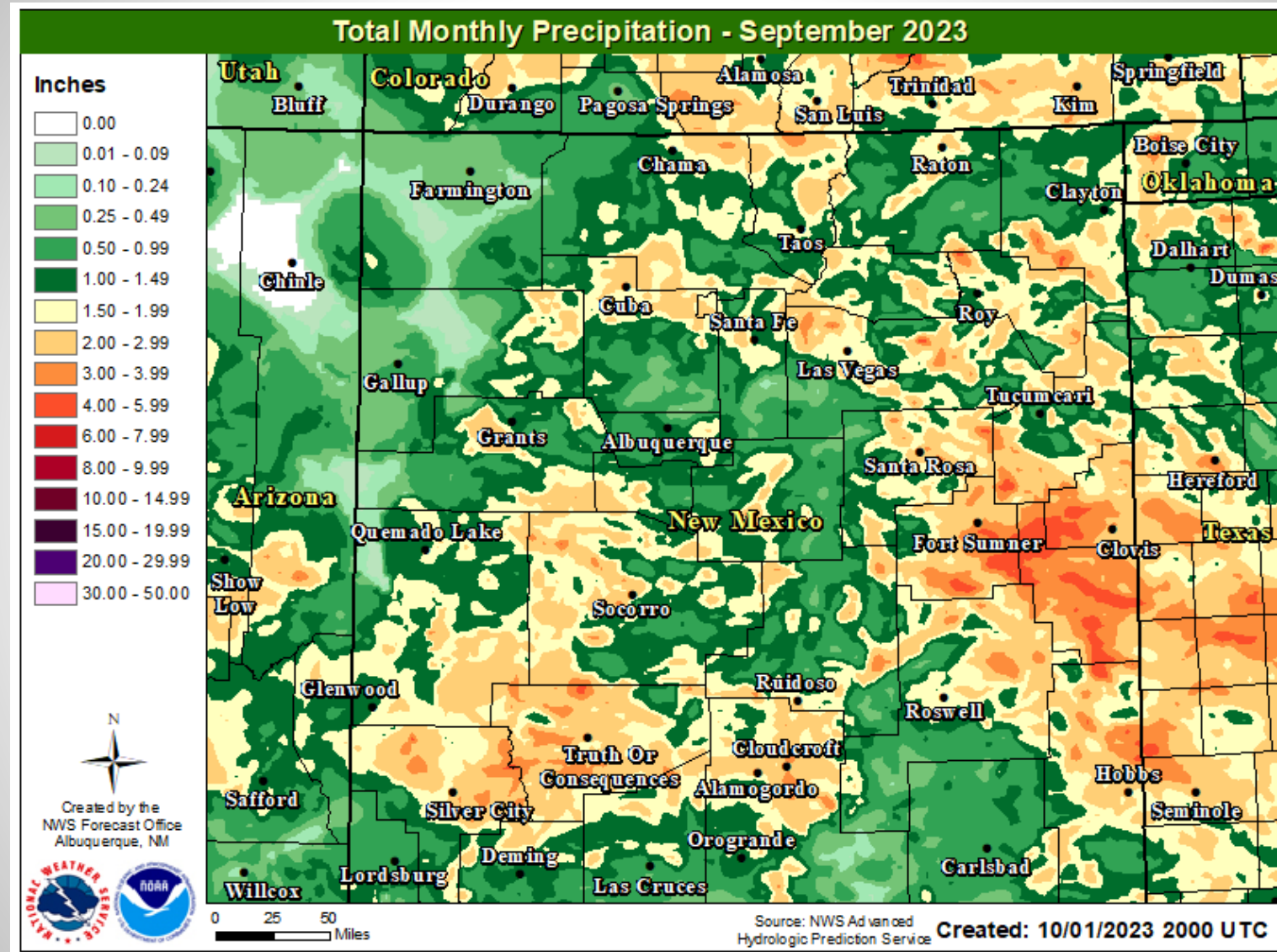
## Precipitation

## New Mexico Precipitation

September

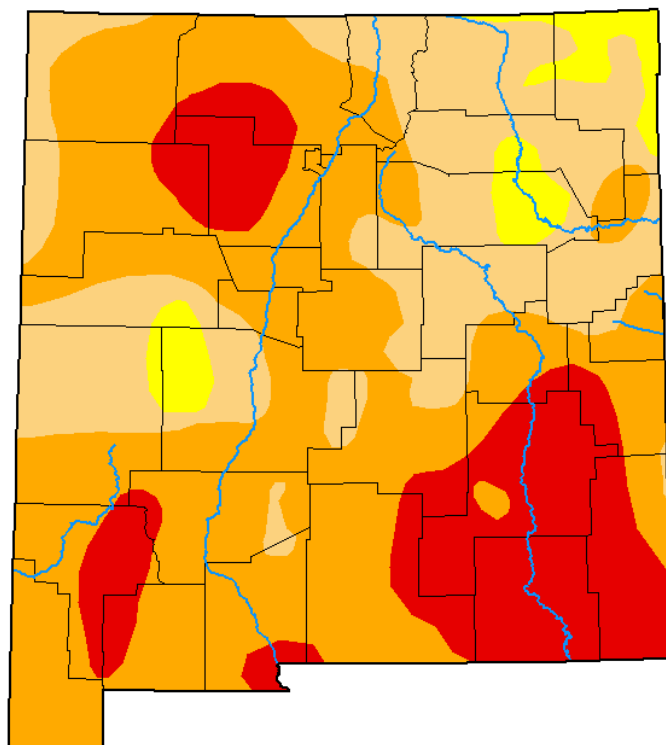


The September 2023 average statewide precipitation was 1.50", which was 0.17" below the long-term normal of 1.71" (1895-2022). This ranked as the 57<sup>th</sup> driest September on record.



Here is a detailed image of the September 2023 precipitation.

## U.S. Drought Monitor New Mexico

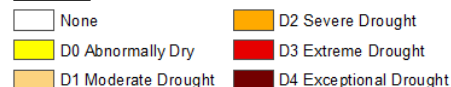


**September 5, 2023**  
(Released Thursday, Sep. 7, 2023)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	0.00	100.00	95.45	68.72	19.99	0.00
<b>Last Week</b> 08-29-2023	0.61	99.39	90.24	57.95	14.90	0.00
<b>3 Months Ago</b> 06-06-2023	51.96	48.04	28.16	10.62	0.00	0.00
<b>Start of Calendar Year</b> 01-03-2023	7.03	92.97	41.30	18.55	3.74	0.19
<b>Start of Water Year</b> 09-27-2022	0.99	99.01	76.80	31.46	6.99	0.00
<b>One Year Ago</b> 09-06-2022	0.91	99.09	87.78	58.35	9.17	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

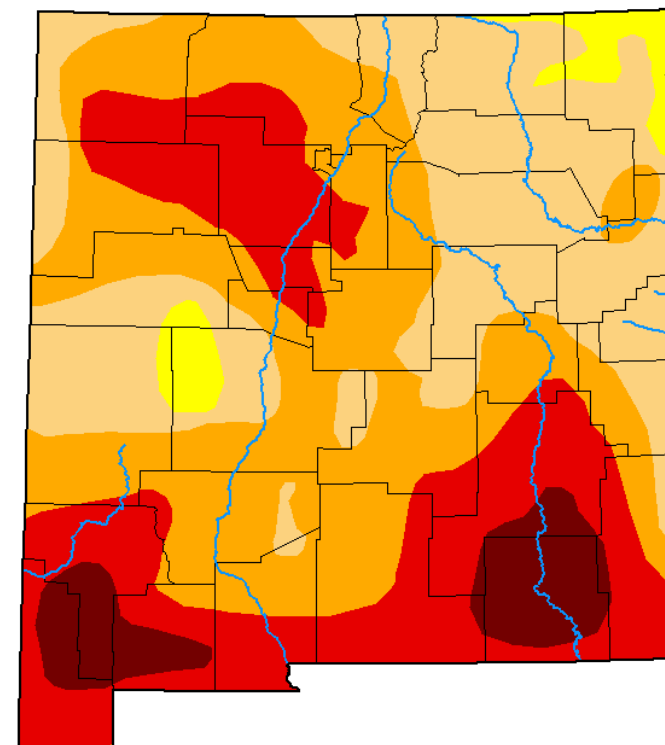
Author:

Richard Tinker  
CPC/NOAA/NWS/NCEP



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

## U.S. Drought Monitor New Mexico

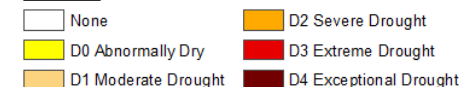


**September 26, 2023**  
(Released Thursday, Sep. 28, 2023)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	0.00	100.00	96.87	67.52	32.31	6.85
<b>Last Week</b> 09-19-2023	0.00	100.00	96.87	67.50	30.85	0.00
<b>3 Months Ago</b> 06-27-2023	55.92	44.08	18.89	6.93	0.00	0.00
<b>Start of Calendar Year</b> 01-03-2023	7.03	92.97	41.30	18.55	3.74	0.19
<b>Start of Water Year</b> 09-27-2022	0.99	99.01	76.80	31.46	6.99	0.00
<b>One Year Ago</b> 09-27-2022	0.99	99.01	76.80	31.46	6.99	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

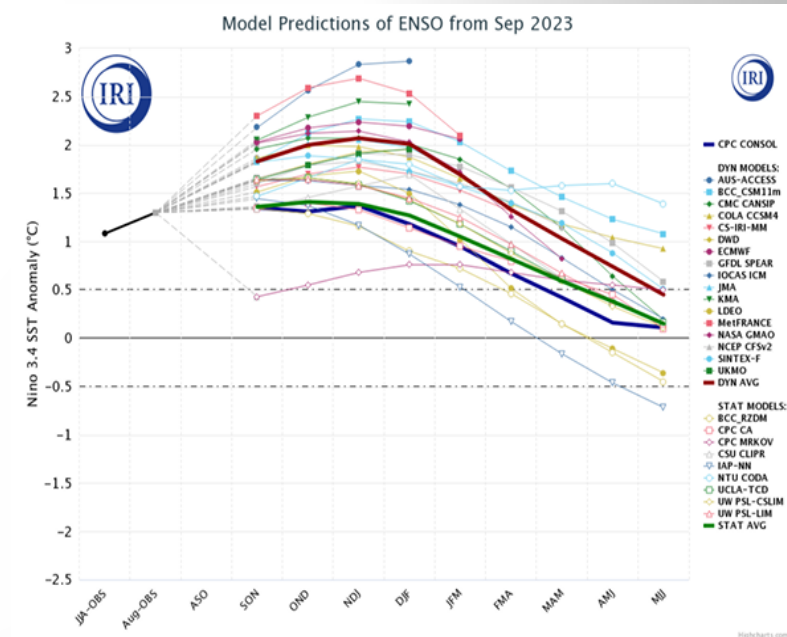
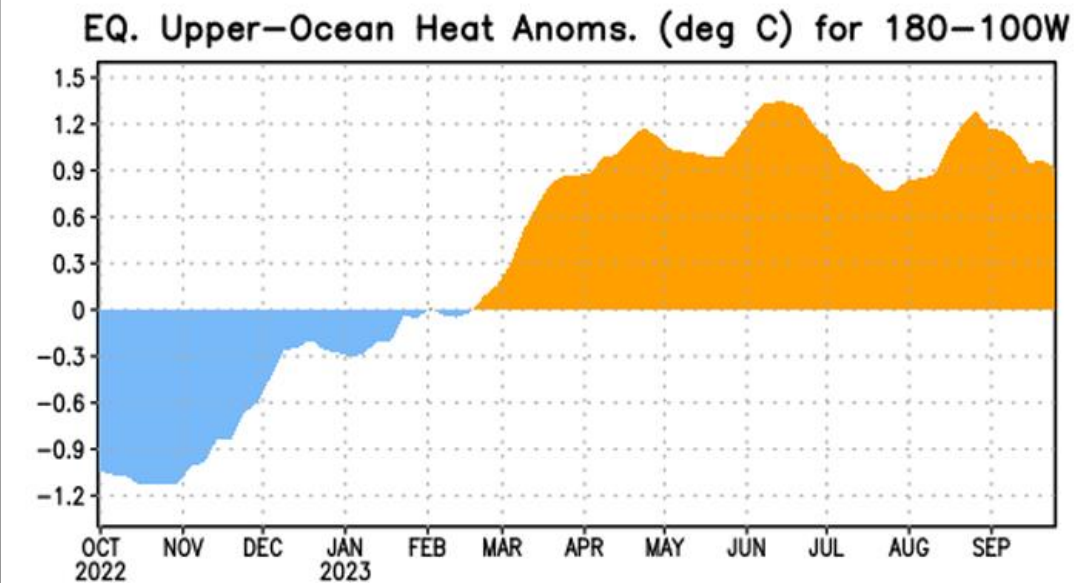
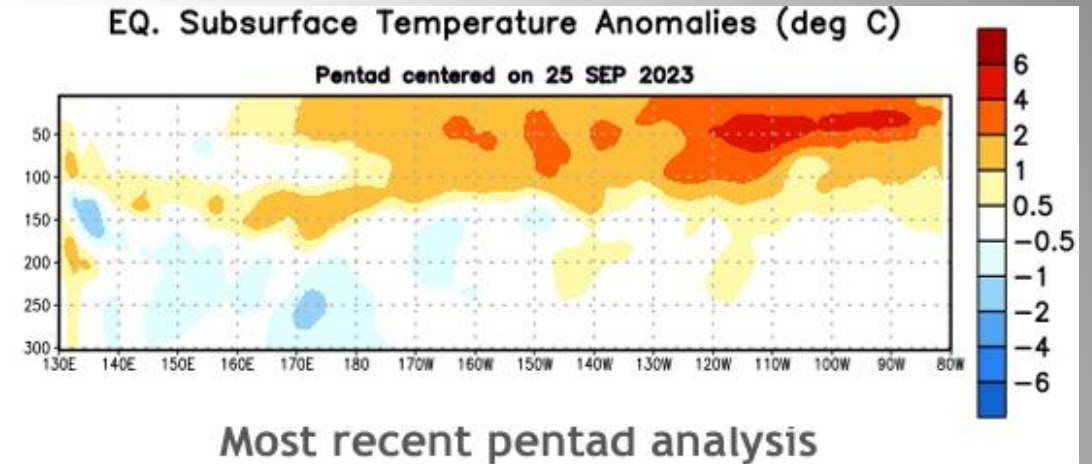
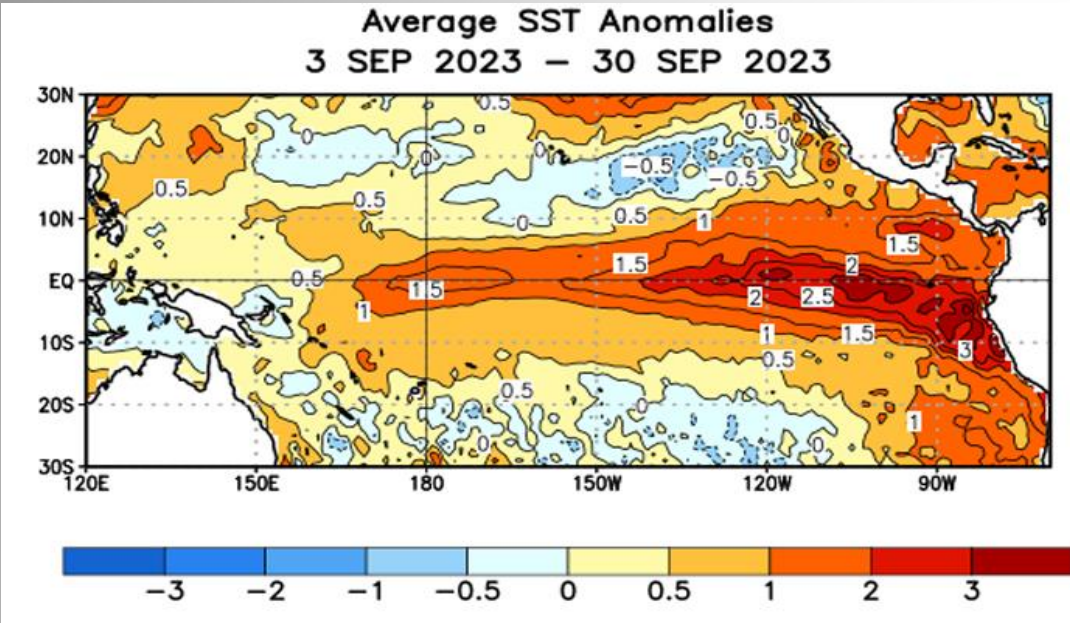
Richard Heim  
NCEI/NOAA



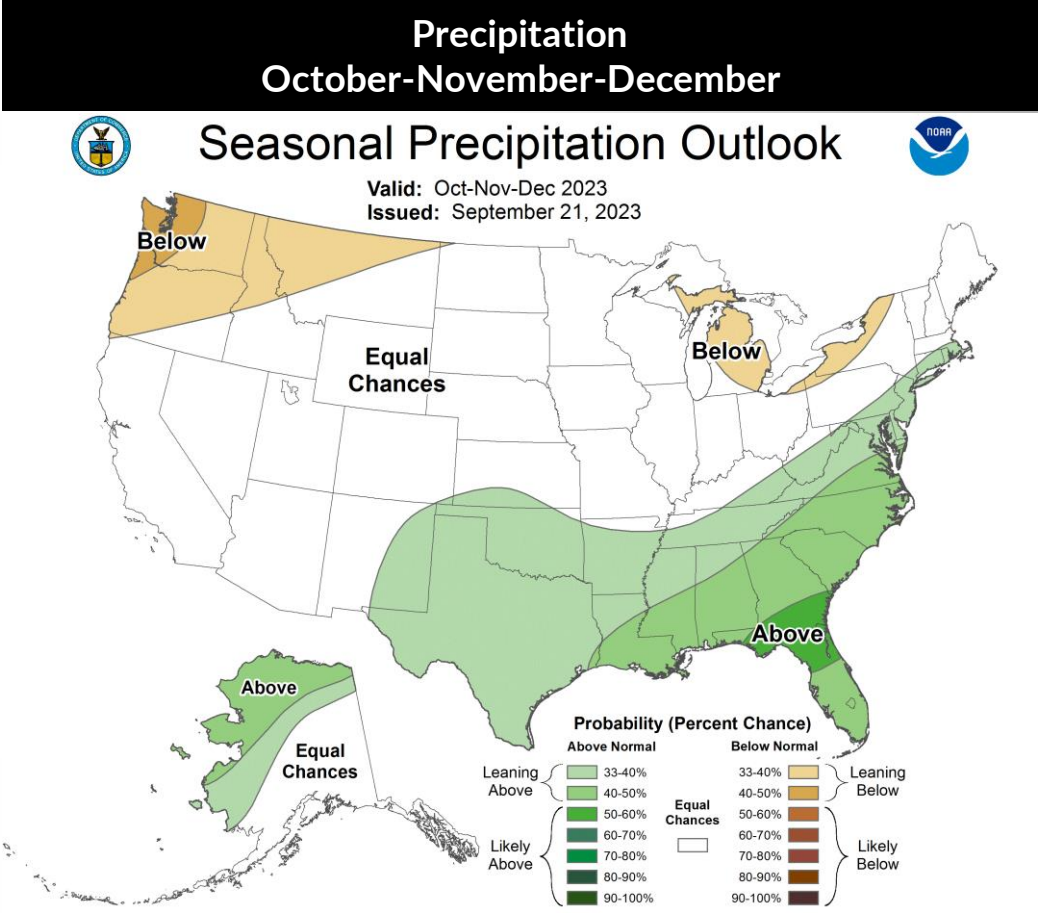
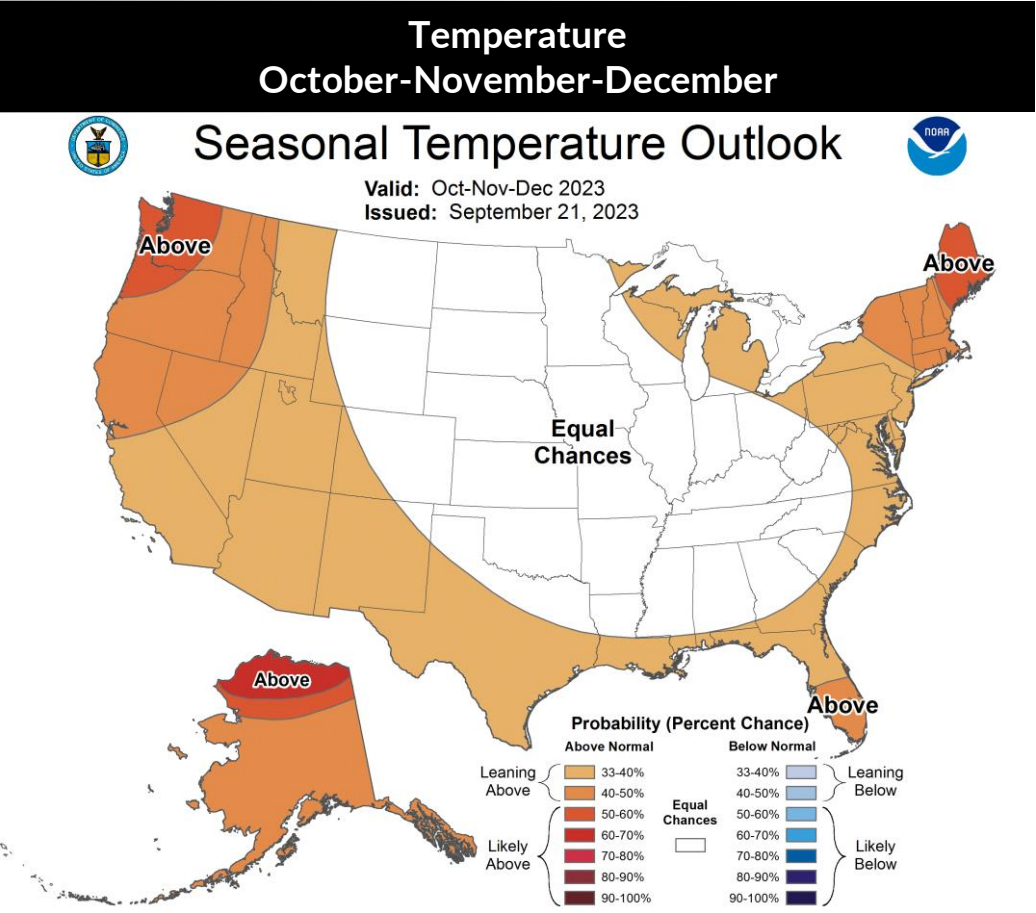
[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

Drought conditions continued to deteriorate during the month of September with D4 developing in the southeast and southwest where 3-monthly precipitation was less than 50% of average. Drought conditions remained relatively stable in the northeast where precipitation was near to slightly below average this summer.







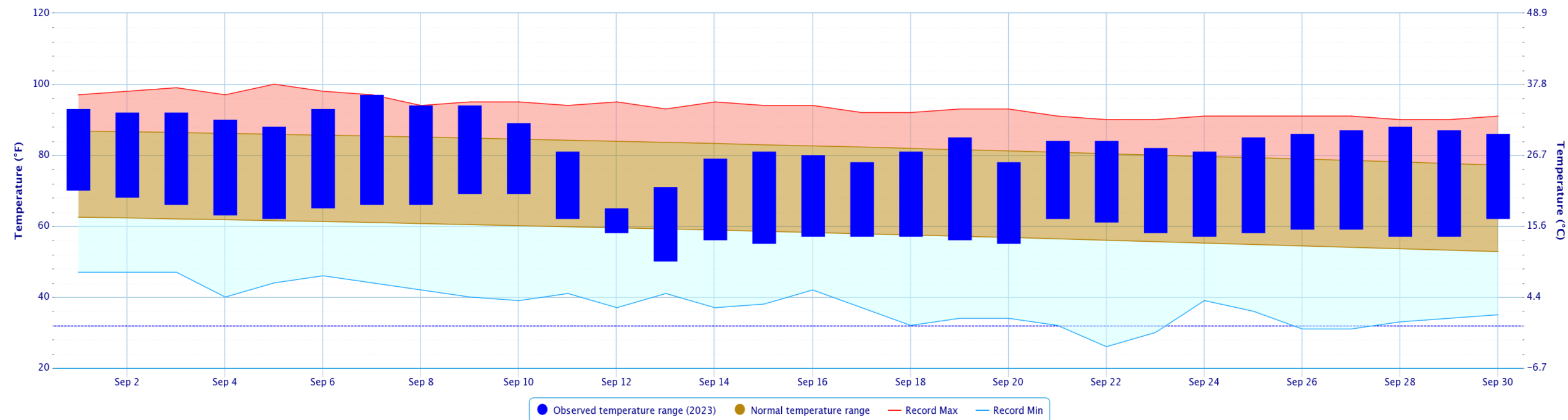


Above normal temperatures and near to slightly above normal precipitation are favored during the months of October through December.

Average Temperature: 72.8°

## Daily Temperature Data – ALBUQUERQUE INTL AP, NM

Period of Record – 1891–12–01 to 2023–10–03. Normals period: 1991–2020. Click and drag to zoom chart.



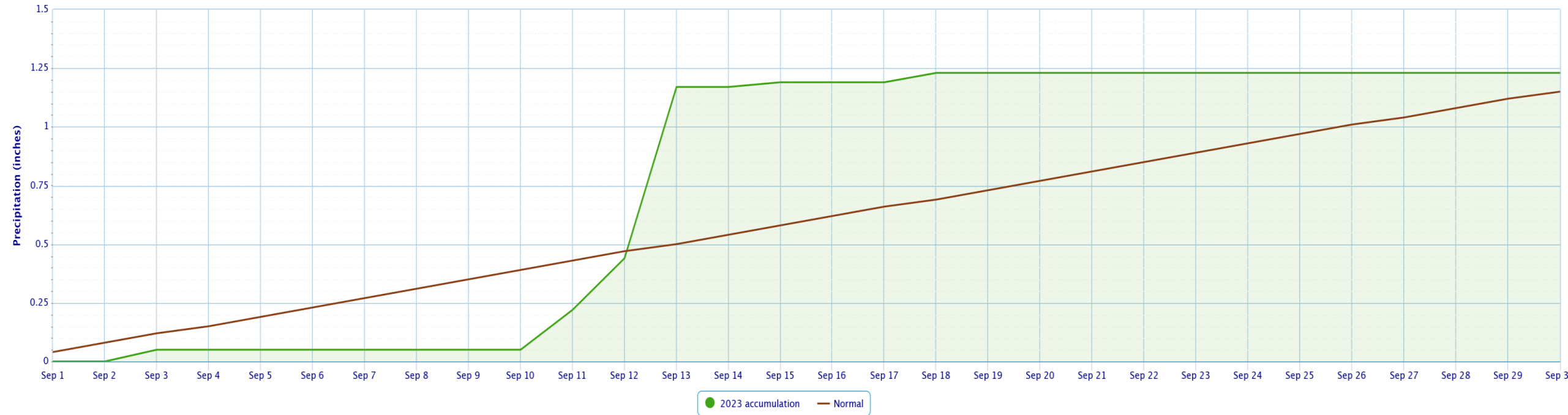
Powered by ACIS

The September 2023 average temperature for Albuquerque was 72.8°, which was 2.5° above the normal of 70.3°. The average maximum temperature for the month was 85.0°. This was 2.5° above the normal average maximum temperature of 82.5°. The average minimum temperature for the month was 60.6°. This was 2.5° above the normal average minimum temperature of 58.1°. This ranked as the 10<sup>th</sup> warmest September on record.

Precipitation: 1.23"

## Accumulated Precipitation - ALBUQUERQUE INTL AP, NM

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



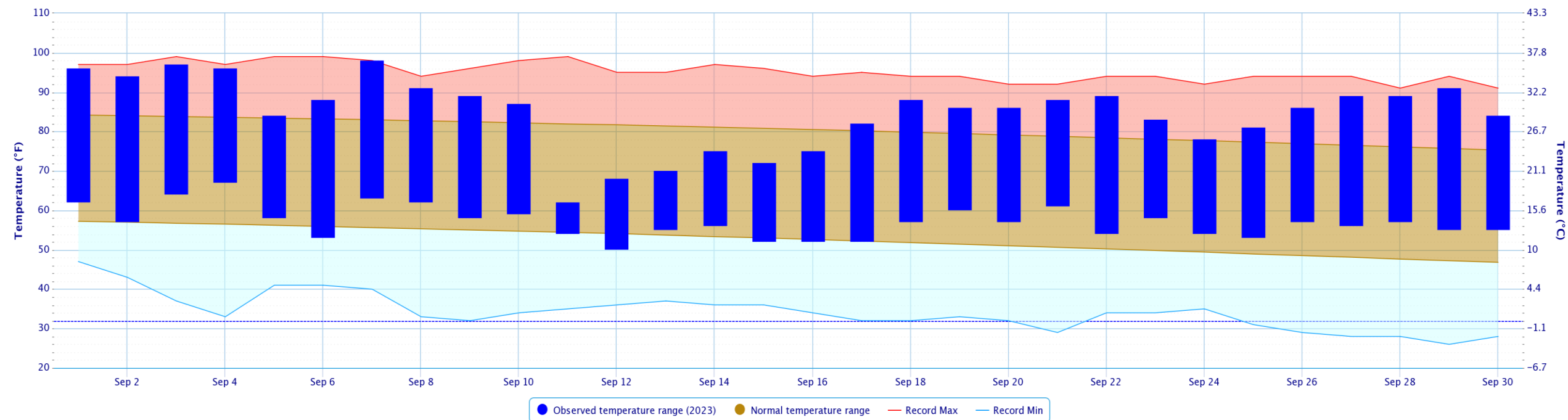
Powered by ACIS

The September 2023 precipitation for Albuquerque was 1.23", which was 0.08" above the normal of 1.15". This ranked as the 35<sup>th</sup> wettest September on record.

Average Temperature: 70.8°

## Daily Temperature Data – CLAYTON MUNICIPAL AIR PARK, NM

Period of Record – 1896-02-01 to 2023-10-03. Normals period: 1991-2020. Click and drag to zoom chart.



Powered by ACIS

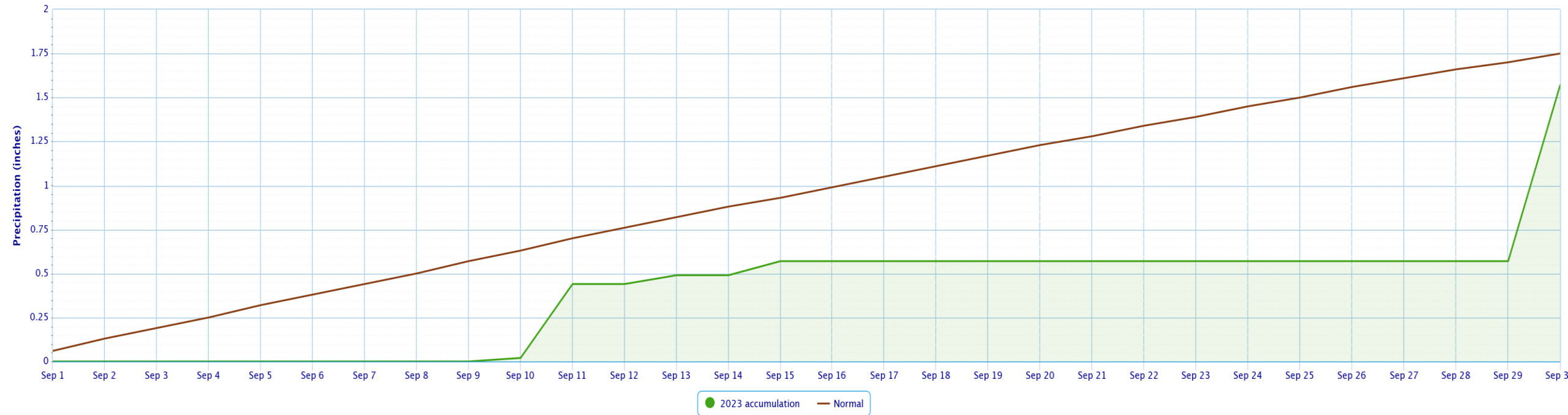
The September 2023 average temperature for Clayton was 70.8°, which was 4.4° above the normal of 66.4°. The average maximum temperature for the month was 84.7°. This was 4.4° above the normal average maximum temperature of 80.3°. The average minimum temperature for the month was 56.9°. This was 4.4° above the normal average minimum temperature of 52.5°. This ranked as the 6<sup>th</sup> warmest September on record.



Precipitation: 1.57"

## Accumulated Precipitation – CLAYTON MUNICIPAL AIR PARK, NM

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



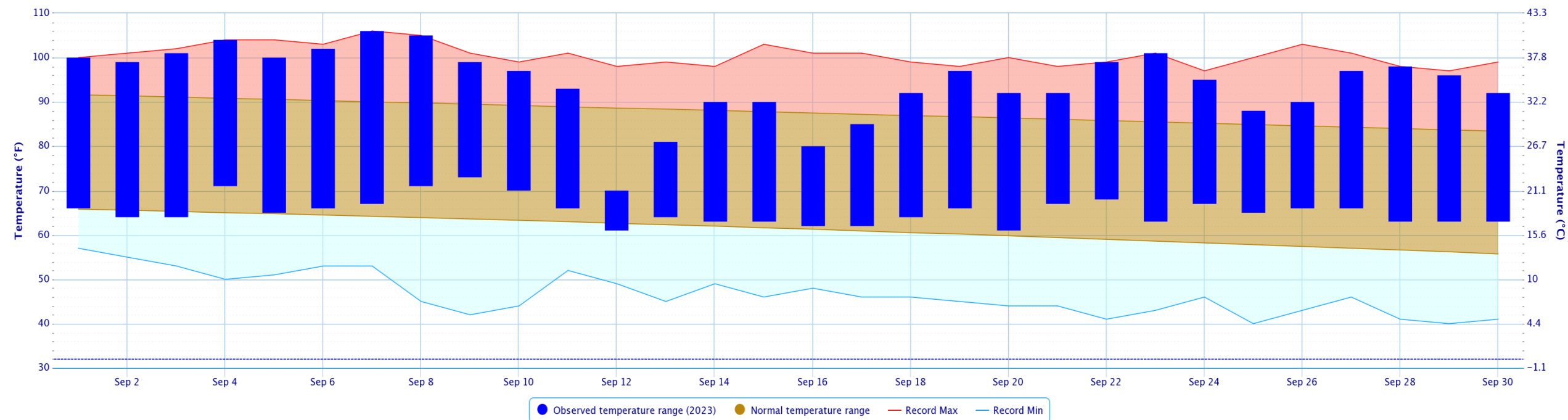
Powered by ACIS

The September 2023 precipitation for Clayton was 1.57", which was 0.18" below the normal of 1.75". This ranked as the 67<sup>th</sup> driest September on record.

Average Temperature: 79.9°

## Daily Temperature Data – ROSWELL INDUSTRIAL AIR PARK, NM

Period of Record – 1946–12–01 to 2023–10–03. Normals period: 1991–2020. Click and drag to zoom chart.



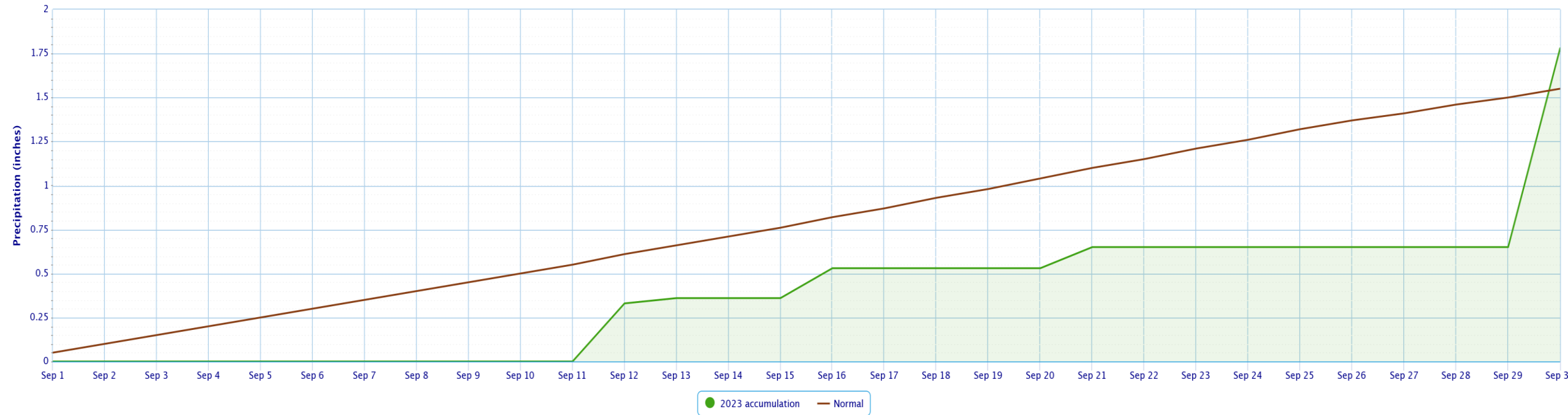
Powered by ACIS

The September 2023 average temperature for Roswell was 79.9°, which was 5.5° above the normal of 74.4°. The average maximum temperature for the month was 94.4°. This was 6.8° above the average maximum temperature of 87.6°. The average minimum temperature for the month was 65.3°. This was 4.1° above the normal average minimum temperature of 61.2°. **This ranked as the warmest September on record.**

Precipitation: 1.78"

## Accumulated Precipitation – ROSWELL INDUSTRIAL AIR PARK, NM

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values





Powered by ACIS

The September 2023 precipitation for Roswell was 1.78", which was 0.23" above the normal of 1.55". This ranked as the 25<sup>th</sup> wettest September on record.

Event Type	Begin Date	County Name	Magnitude	Type	Event Narrative
Thunderstorm Wind	9/9/2023	QUAY	56 kt	Gust	
Thunderstorm Wind	9/9/2023	CHAVES	54 kt	Gust	Eight Mile Draw station.
Thunderstorm Wind	9/9/2023	CHAVES	50 kt	Gust	
Thunderstorm Wind	9/9/2023	ROOSEVELT	51 kt	Gust	
Thunderstorm Wind	9/9/2023	CURRY	50 kt	Gust	Cannon Air Force Base.
Hail	9/11/2023	LINCOLN	1.75 "		Five vehicles were disabled on U.S. Highway 285 and one occupant sustained cuts to her arms.
Flash Flood	9/13/2023	BERNALILLO			Heavy rain caused a waterfall below the Petroglyph National Monument. A cul-de-sac near Taylor Ranch was inundated with hail and heavy rainfall.
Flash Flood	9/13/2023	BERNALILLO			I-25 SB near Avenida Caesar Chavez was flooded due to heavy rainfall. One vehicle was partially submerged.
Hail	9/15/2023	CHAVES	1 "		No hail damage, except trees lost lots of leaves.
Hail	9/18/2023	SOCORRO	1 "		
Hail	9/18/2023	BERNALILLO	1 "		
Hail	9/18/2023	BERNALILLO	1 "		
Hail	9/18/2023	BERNALILLO	0.75 "		
Hail	9/26/2023	LINCOLN	0.88 "		
Hail	9/26/2023	SOCORRO	0.88 "		
Hail	9/30/2023	COLFAX	0.88 "		Hail accumulation of 1 inch in the area resulted in two accidents on I-25.
Thunderstorm Wind	9/30/2023	CHAVES	53 kt	Gust	
Thunderstorm Wind	9/30/2023	QUAY	51 kt	Gust	

\*Storm reports are considered preliminary until a final review is certified in the NWS Storm Data publication. Certified data is available three to four months post-event at: <https://www.ncdc.noaa.gov/stormevents/>



- ▶ NCEI Climatological Rankings: <https://www.ncdc.noaa.gov/cag/national/rankings>
- ▶ PRISM Climate Data: <http://www.prism.oregonstate.edu/>
- ▶ NWS Local Climate Pages: <https://w2.weather.gov/climate/index.php?wfo=abq>
- ▶ NCEI Storm Data: <https://www.ncdc.noaa.gov/stormevents/>
- ▶ Questions?: [sr-abq.webmaster@noaa.gov](mailto:sr-abq.webmaster@noaa.gov)
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